

RECEIVER SEL2641R433-IP5

1- Introduction.

The receiver type SEL2641R433-IP5 (Fig. 1) is a single conversion superheterodyne receiver, with rolling code integrated decoding algorithm and AM/ASK demodulation. The appliance has 2 different operating modes:

- A - Stand alone;
 - B - Slave within a Master-Slave configuration, where the Master is the Multiuser 500 Users Receiver (type SEL2641R433-K5). In this case the memory data management and the relay configuration is performed by the Master and data are transferred to the receiver through a backup-memory (type SEL2641-MEM).
- When the current site password of the Multiuser Receiver, is different from 00000, the 2 operating modes can't coexist. The receiver has relay pure contact outputs so it can be connected to any type of mechanics (gates, garage doors, rolling shutters, sun-blinds, anti-burglar systems, light control devices, etc.)

The programming can be effected in three different ways:

- via-radio using a transmitter;
- through the receiver push-buttons;
- with a Multiuser Receiver.

It is possible to transfer the internal memory data from or to a backup memory or swap the data from or to a Multiuser Receiver, making use of the backup memory.

The product fully complies with the European Directives 73/23/CEE, 89/336/CEE and with the Regulation EN 60065.

2- Compatible transmitters

- Erone 024A type. S2TR 2641 E2-E4-E2M : 2 / 4 keys transmitter "User" or "Master"
- Erone 433 type. SETR 2641 AM2: 2 keys mini transmitter
- Erone 433 type. SETR 2641 TM: Wall transmitter

3- Technical specifications

Receiver type:	Superheterodyne.
Demodulation:	AM/ASK.
Operating frequency:	433.92 MHz.
Local oscillator frequency:	6,6128 MHz.
Intermediate frequency:	10,7 MHz.
Sensitivity (for good signal):	-115 dBm.
Input load:	50 Ohm.
Power voltage :	12 or 24 V ac/dc.
Current absorption: at rest:	25 mA
with load:	55 mA
Relay number:	2 (1NO and 1NO or NC).
Relay release delay time	6 sec.
Sensitivity reduction (pedestrian relay config.):	40 dB
Max commutable power:	24W or 24VA .
Memory capacity	500 (2 key transmitters)
Operating temperature:	from -20 to + 70 °C.
Overall dimensions (Fig. 1):	105 x 45 x 28 mm.
Weight:	65 gr.

Overall dimensions

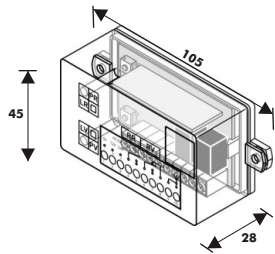


Fig. 1

4 -Main features

- Wireless memorization of the transmitter code with and without accessing to the RX buttons;
- Complete management of the relay features making use of a Multiuser Receiver ;
- Memory capacity : 500 x 2 key transmitters or 250 x 4 key transmitters;
- Memory data transfer from and to an external backup memory;
- Entire memory cancellation via-radio with the transmitter keys and the receiver push-buttons
- Relay programmable operating mode : pulse, latch, delayed, reduced sensitivity (pedestrian);
- Release delay of the relay : 6 sec.
- Complete receiver blockage with password unblocking

5 -Receiver Legend (Fig. 2)

LR:	Red led	LV:	Green led
PR:	Red button	PV:	Green button
RR:	Red relay	RV:	Green relay
CT	Data transfer connector		

6 -Connections (Fig. 2)

Power supply :	Terminals 1 and 2 :	12 Vac/dc
	Terminals 1 and 3 :	24 Vac/dc
Aerial :	Terminal 9 :	shield (use cable type RG58)
	Terminal 10 :	net
Relay output :	Terminals 4 and 5 :	NO contact (red relay)
	Terminals 6 and 7 :	NO contact (green relay)
	Terminals 6 and 8 :	NC contact (green relay).

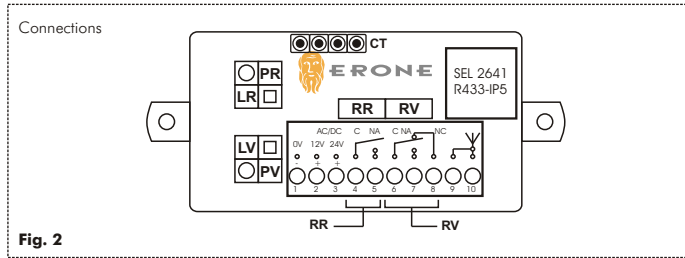


Fig. 2

7 - Backup Memory slot-in

Follow the following step for the backup memory insertion:

- 1) Remove the plastic cover
- 2) Insert the memory into the female connector CT respecting the insertion polarity, as shown in fig. 3

The round shape of the memory box has to be in front of the vertical RF card.

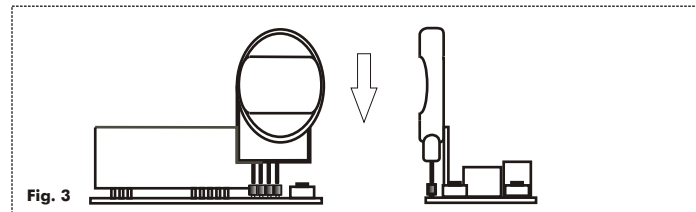


Fig. 3

A - STAND-ALONE CONFIGURATION

All the configuration parameters are set through the buttons PR and PV of the receiver card.

8 -Transmitter code memorization

The code of each transmitter key can be memorized on the receiver in 2 different ways:

- A - Directly on the receiver, acting on PR or PV;
- B - Via radio, acting on the transmitter keys.

8A - Direct memorization

Select the relay to memorize and follow the steps 1-4 of the procedure below.

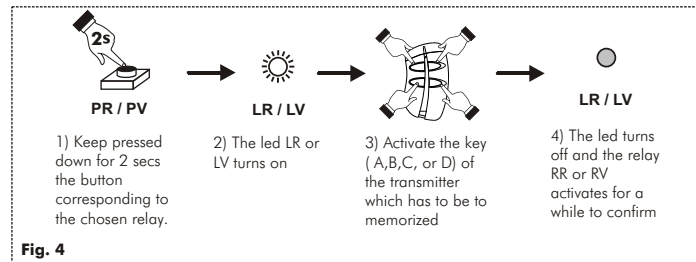


Fig. 4

B1 - Via radio memorization with the transmitter keys: red relay RR output (Fig. 5)

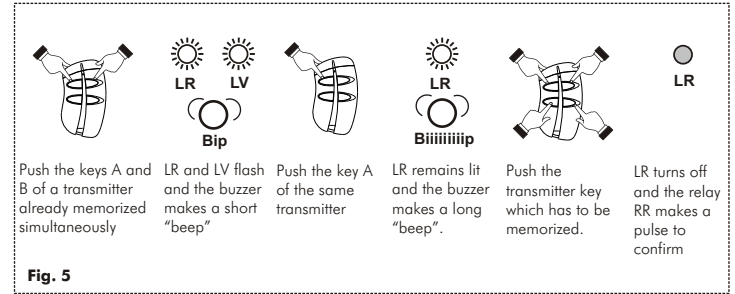


Fig. 5

B2 - Via radio memorization with the transmitter keys: green relay RV output (Fig. 6)

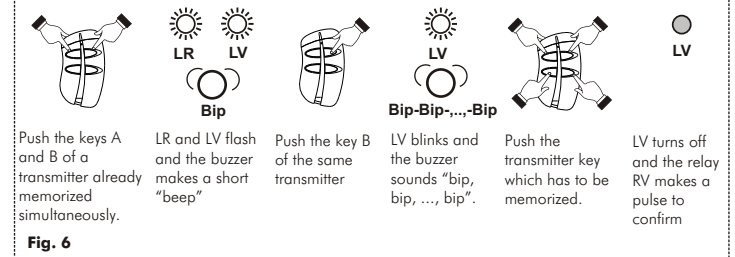


Fig. 6

9 - Memory full

If the memory is full, at the next attempt of a further transmitter memorization, both the led LR and LV turn on and the buzzer sounds a long "beep".

10 - Cancelling the entire memory (Fig. 7)

This operation is possible both with the transmitter keys and with the receiver buttons.

With the transmitter

- 1) Keep the keys **A + B** of a transmitter, which code is already present in the RX memory, pressed down simultaneously: the buzzer sounds a "beep" and both the leds make a short flash.
- 2) Within 2 sec. keep the key **A** pressed down for 4 sec. of the same transmitter : the led LR will turn on and the buzzer start to beep.
- 3) Within 4 sec. press again **A + B** simultaneously and keep them pressed down for further 4 sec. ; at this point the buzzer will sound 3 long beeps (as Biiiiiiiip - Biiiiiiiip - Biiiiiiiip) and 3 blinks of the led LR and LV will occur : the memory is completely cancelled.

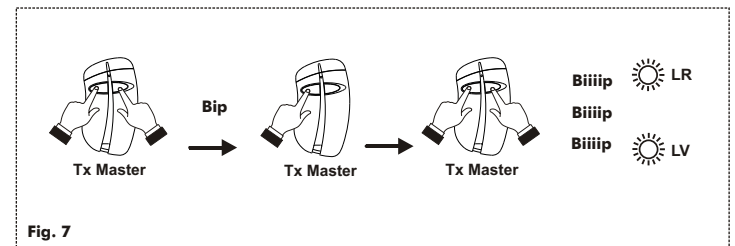
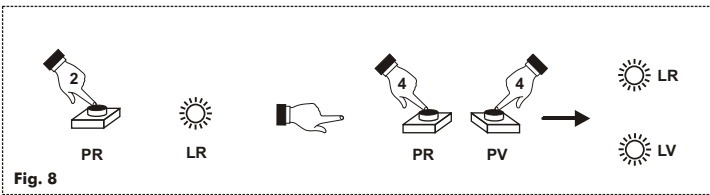


Fig. 7

With the receiver buttons (Fig. 8)

- 1) Keep the button PR of the receiver pressed down until the led LR turns on;
 - 2) Release PR and within 2 sec. keep PR and PV pressed down simultaneously for 4 sec. until the buzzer sounds 3 "beeps" and both the led LR and LV make 3 flashes.
- At this point the memory has been completely cancelled.



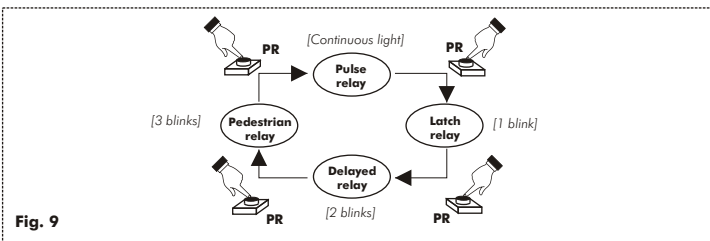
11 - Relay set-up display

Keep the button PR (or PV) of the receiver pressed down for 4 sec. The set-up of the red relay RR (or green RV) is displayed by the number of flashes of the corresponding led (LR or LV):

- | | |
|--|------------------|
| ■ Pulse relay | continuous light |
| ■ Latching relay | 1 blink |
| ■ Delayed relay (6") | 2 blinks |
| ■ Pedestrian relay (reduced sensitivity) | 3 blinks |

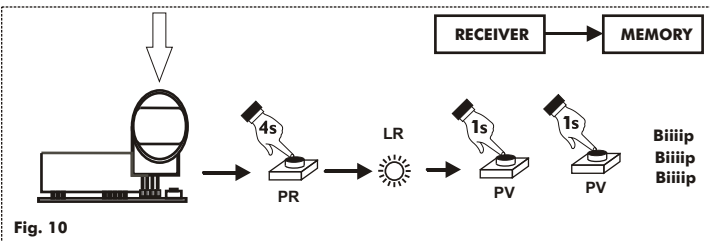
12 - Relay set up

Keep the button PR (or PV) of the receiver pressed down for 4 sec. At this point (as indicated above) the corresponding led turns on, displaying the relay current set-up. Within 5 sec. push the button PR of the receiver: depending upon the number of pulses the set up of the relay changes cyclically, according to the diagram of fig. 9.



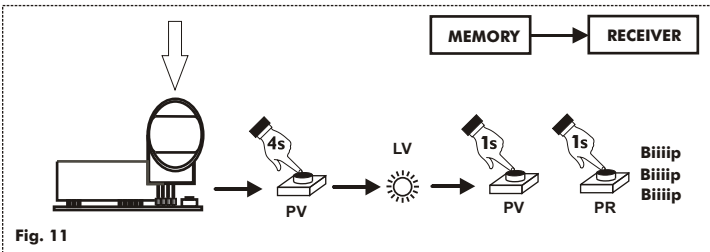
13 - Memory data transfer : from IP5 receiver to backup memory (fig. 10)

Slot-in the backup memory into the connector CT. Keep the button PR pressed down until the led LR turns on. Push the button PV for 1 sec and following confirm with PV again. At the end of the data transfer the buzzer will sound 3 long "beeps".



14 - Memory data transfer : from backup memory to IP5 receiver (Fig. 11)

Slot-in the backup memory into the connector CT. Keep the button PR pressed down until the led LR turns on. Push the button PV for 1 sec and following confirm with PR. At the end of the data transfer the buzzer will sound 3 long "beeps".



B - SLAVE CONFIGURATION

In this case the set-up is prepared making use of a Multiuser Receiver (type K5) and the configuration is then transferred to the receiver through a backup memory (Fig. 12).

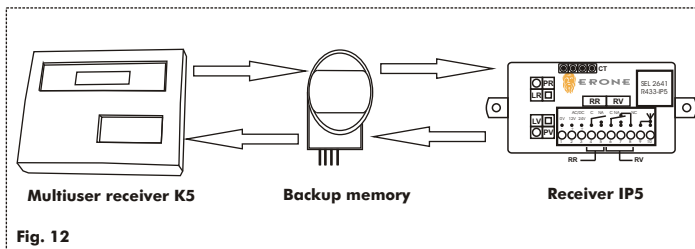


Fig. 12

Depending upon the Multiuser Receiver current password, there can be the following 2 cases:

CASE 1 : Receiver IP5 Slave with site password of the Multiuser receiver different from 00000.

The memory management is allowed only to the owners of a Master transmitter already memorized. If the memory is transferred from the Multiuser Receiver (with a site password different from 00000) to the receiver IP5 through a backup memory the receiver buttons PV and PR become disabled, and any further action on the receiver IP5 has to be done only by means of the Multiuser receiver

CASO 2 : Receiver IP5 Slave with site password of the Multiuser receiver equal to 00000.

In this case there isn't any block of the receiver buttons and all the setup prepared on the Multiuser Receiver can be transferred onto the receiver IP5 without any restriction and with the possibility to make changes. The data transfer can be effected through the backup memory. Insert it into the CT connector as shown in fig. 3

15 - Master and User transmitters

The receiver IP5 doesn't detect the difference between a Master transmitter (S2TR2641-E2M) and a User transmitter (S2TR2641E2, S2TR2641E4).

Possible situations :

Case1: transfer K5 --> IP5 : A master transmitter, previously stored into the Multiuser receiver, once completed the data transfer into the IP5 receiver, continues to keep its special functionality ("Master"), and can be used to memorize further transmitters.

Case2: transfer IP5 --> K5 : A master transmitter, previously stored into the IP5 receiver, once completed the data transfer into the K5 receiver, loses its special functionality and can't be used to make any change on the receiver set-up.

16 - Transmitters memorizing

The memorizing can be effected either as indicated on the points A, B1 and B2 of the present manual, or making use of a Multiuser Receiver. In this case proceed as follows:

- 1) transfer all the memory data of the receiver IP5 onto the backup memory by following proper procedure (Fig. 10).
- 2) transfer in turn the content of the backup memory into the Multiuser receiver (see the instructions of the Multiuser Receiver manual)
- 3) memorize the new transmitter through a Master transmitter;
- 4) copy the Multiuser data memory into the backup memory.
- 5) transfer all the memory data on the receiver IP5 by following proper procedure (Fig. 11).

WARNING : If the current site password of the Multiuser receiver is different from 00000, at the end of the transfer the buttons become disabled.

In this case follow the procedures 17 and 18:

Memory transfer procedures in case of receiver buttons disabled

When the data memory transfer is done between a Multiuser Receiver with site password different from 00000 and the IP5 receiver, at the end of the procedure the receiver push buttons become disabled.

Any further action on the IP5 receiver can be done as follows.

17 - Memory data download from a backup memory into a receiver with disabled buttons

WARNING : if the receiver IP5 has already memorized some transmitters with site password different from 00000, the transfer is possible only making use of a Master transmitter.

- 1) slot-in the backup memory into the CT connector respecting the right polarity (see fig.3).
- 2) enter into the programming procedure by keeping the keys A+B of a Tx master pressed down until

the buzzer sounds a "beep".

- 3) Push the key B of the transmitter Master
- 4) Press the button PV of the receiver for 1 sec.
- 5) Give the confirmation with the button PR.

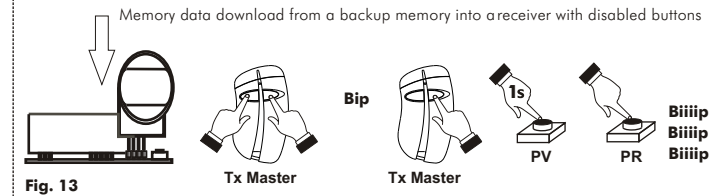


Fig. 13

18 - Memory data upload to a backup memory from a receiver with disabled buttons (fig. 14)

- 1) slot-in the backup memory into the CT connector, respecting the right polarity (fig. 3).
- 2) enter into the programming procedure by keeping the keys A+B of a Tx Master pressed down until the buzzer sounds a "beep".
- 3) Push the key A of the transmitter Master
- 4) Press the button PV of the receiver for 1 sec.
- 5) Give the confirmation with the button PV

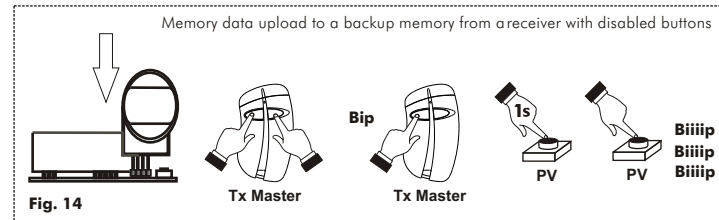


Fig. 14

19 - Complete reset of the receiver (memory cancelling and buttons unblocking)

The entire memory cancelling is allowed only in the following cases :

- with a Master transmitter already memorized (if the site password is not 00000);
- with a User transmitter already memorized (if the site password is 00000).

Keep the keys A+B of the proper transmitter pressed down simultaneously until the buzzer sounds a "beep"; push the key A and then push again the 2 keys A+B simultaneously, until the buzzer sounds 3 long "beeps". At the end the memory has been completely cancelled.

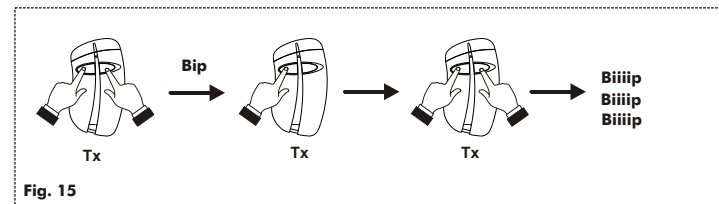


Fig. 15

GUARANTEE

Guarantee period : 24 months from the production date placed inside.

In this period if the appliance has any malfunction due to defective component, it will be repaired or replaced by the manufacturer.

The guarantee doesn't cover the plastic box
The assistance will be performed at the manufacturer site



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